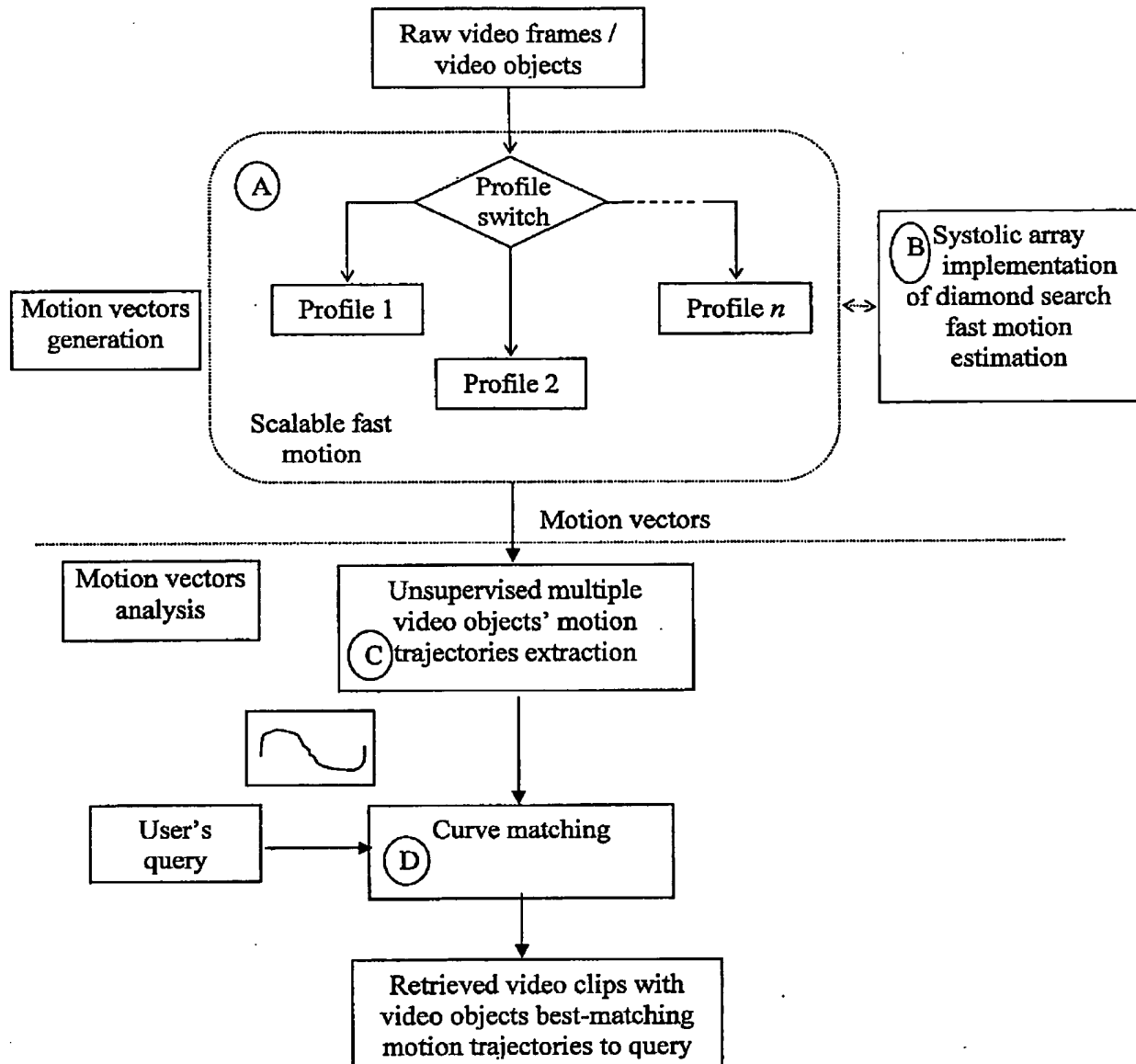


Replacement Sheet**Fig. 1**

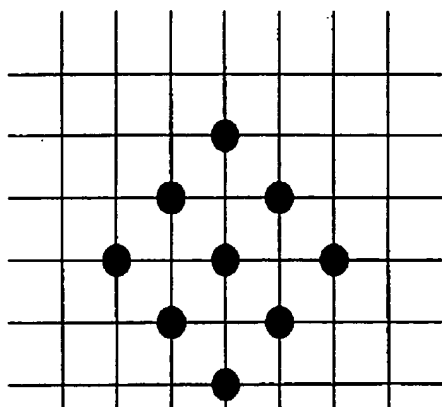
Replacement Sheet

Fig. 2(a)

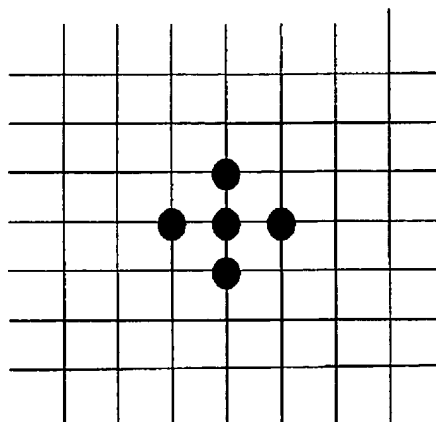


Fig. 2 (b)

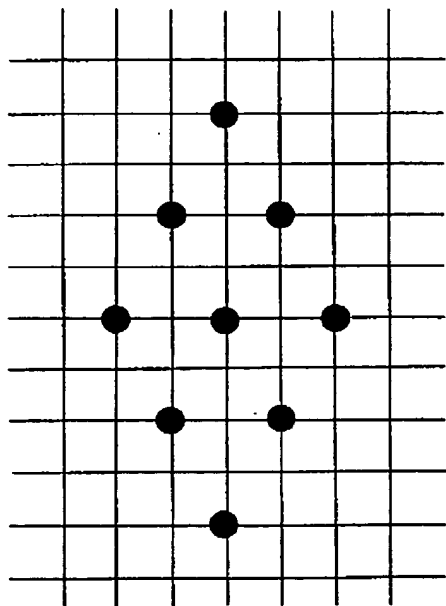


Fig. 3(a)

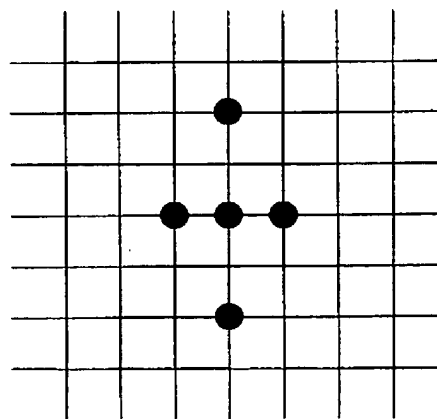


Fig. 3(b)

004
004
004

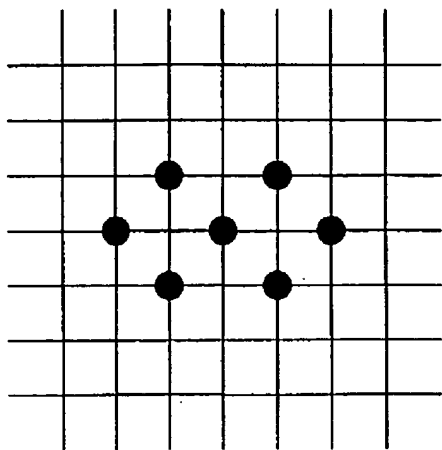
Replacement Sheet

Fig.4 (a)

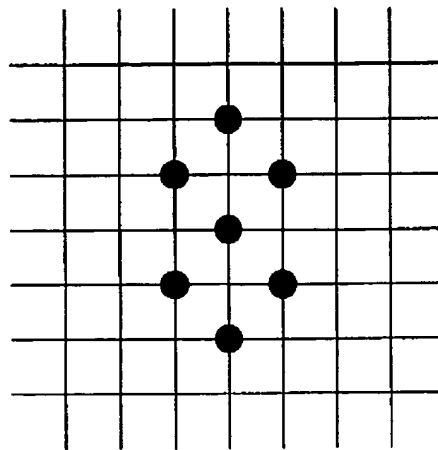


Fig.4(b)

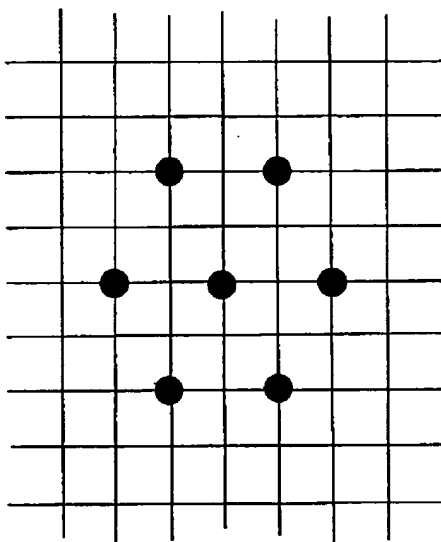


Fig. 4(c)

Replacement Sheet

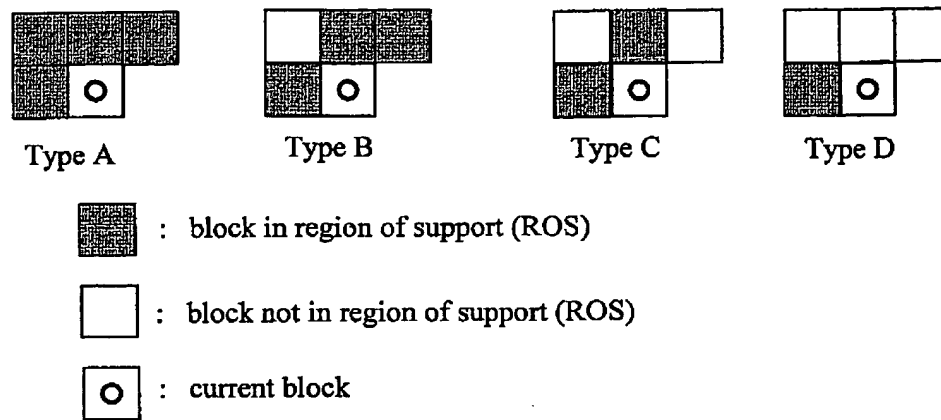


Fig. 5

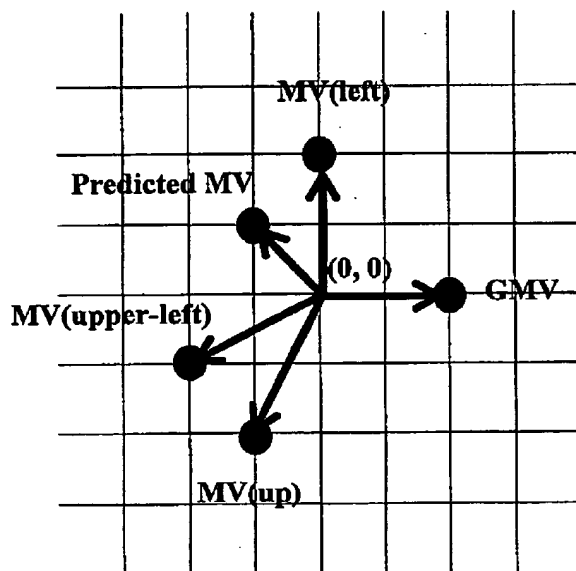


Fig. 6(a)

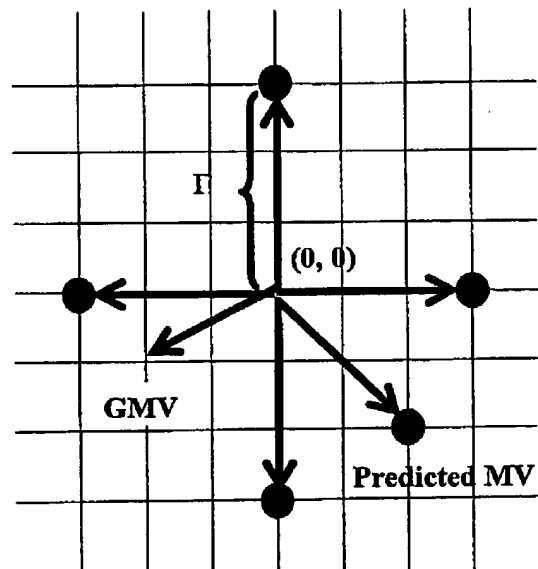


Fig. 6(b)

Replacement Sheet

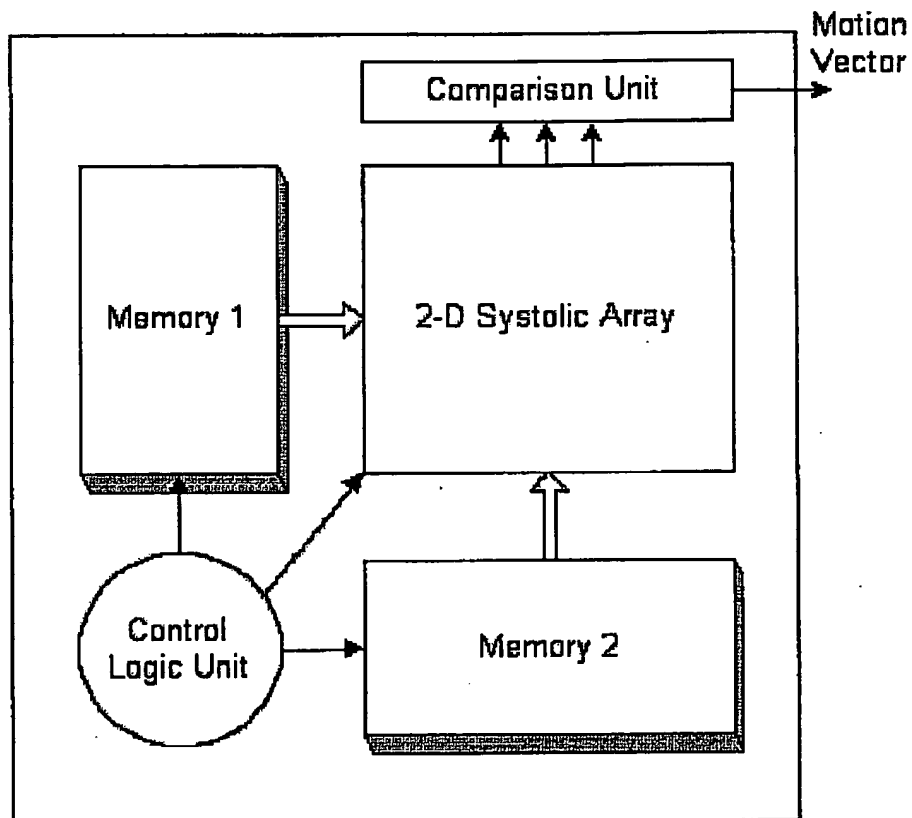


Fig. 7

Replacement Sheet

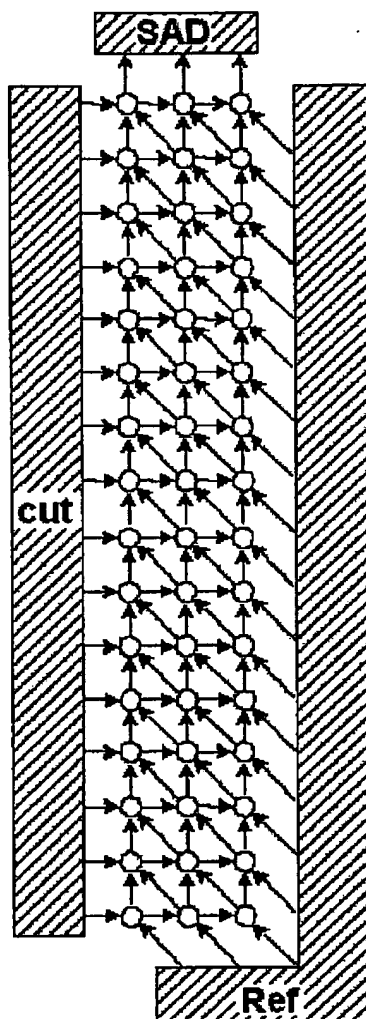


Fig. 8

Replacement Sheet

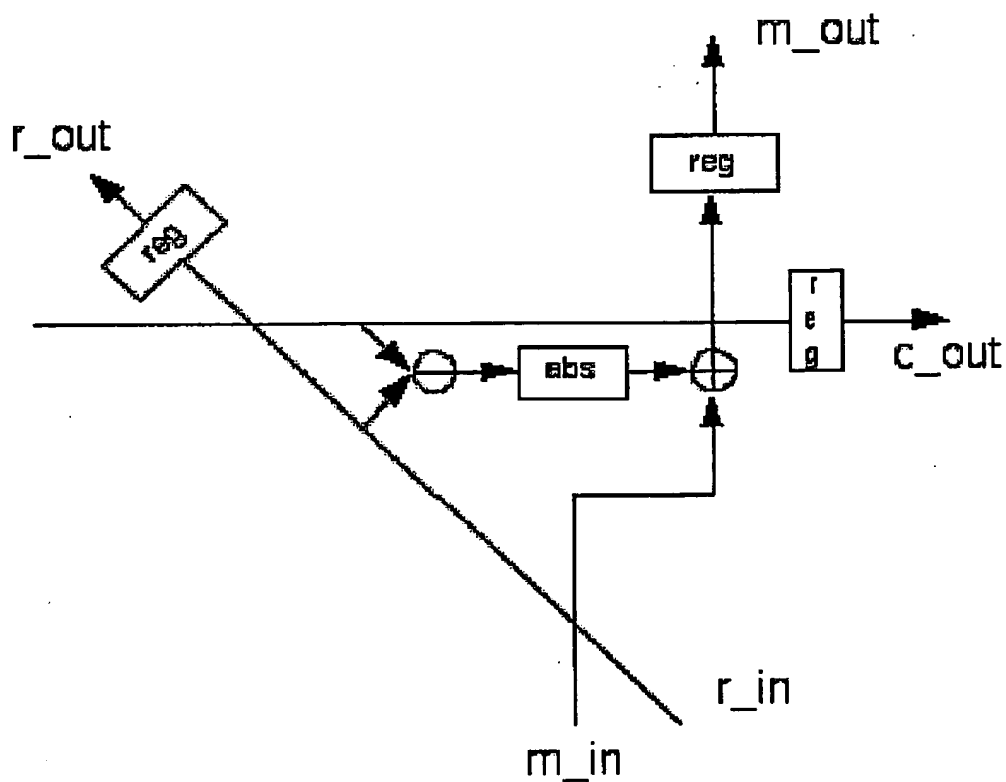


Fig. 9

REPLACEMENT SHEET

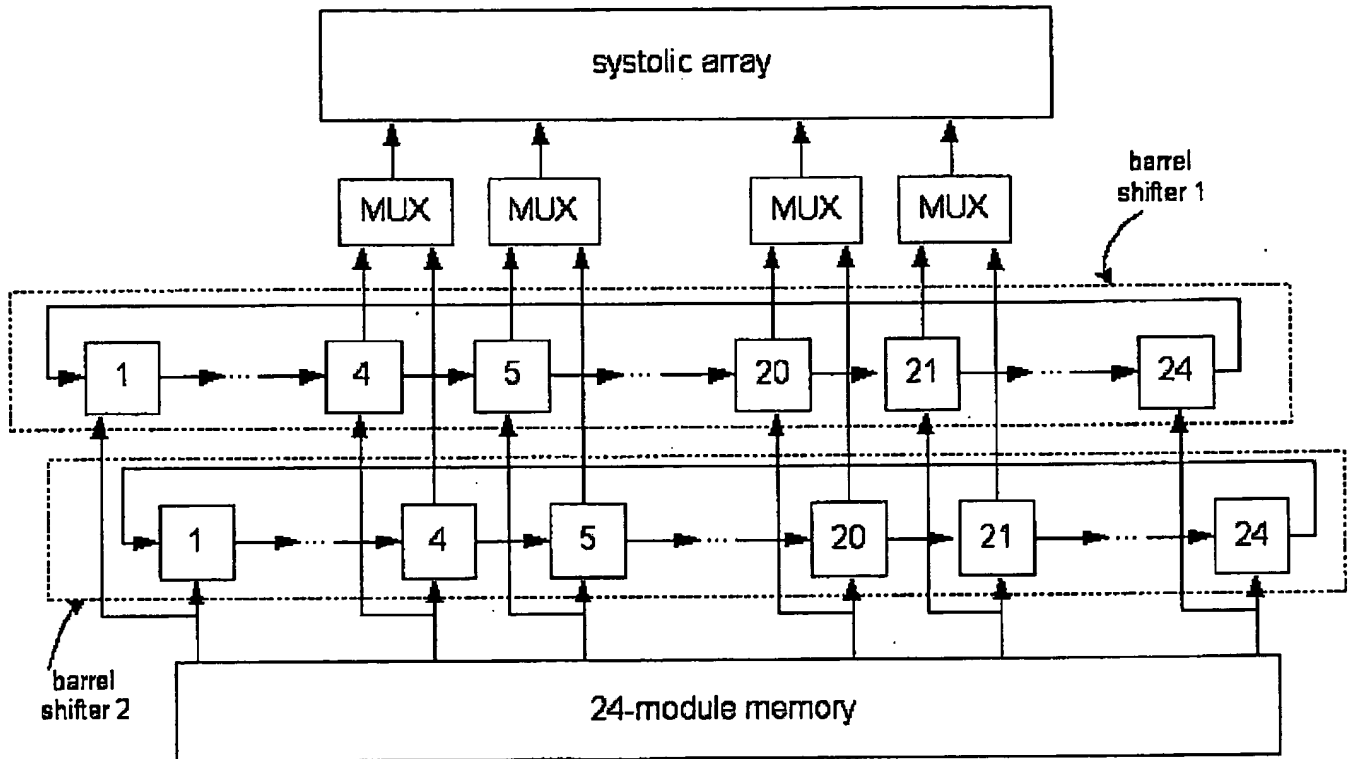


Fig. 10

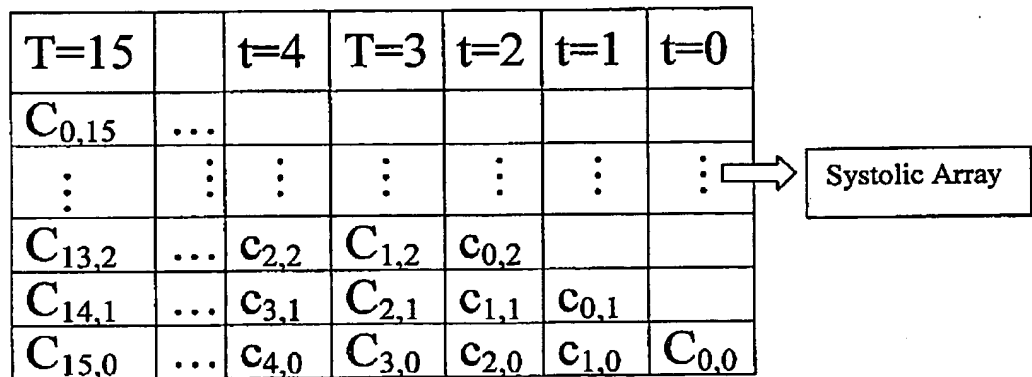


Fig. 11(a)

Replacement Sheet

Systolic Array



	$t=0$	$R_{0,0}$	$r_{0,1}$	$r_{0,2}$	$r_{0,3}$	...	...	$r_{0,15}$	*	*
	$t=1$	$R_{1,0}$	$r_{1,1}$	$r_{1,2}$	$r_{1,3}$	...	...	$r_{1,15}$	$r_{1,16}$	*
	$t=2$	$R_{2,0}$	$r_{2,1}$	$r_{2,2}$	$r_{2,3}$	...	...	$r_{2,15}$	$r_{2,16}$	$r_{2,17}$
	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots
	$t=15$	$r_{15,0}$	$r_{15,1}$	$r_{15,2}$	$r_{15,3}$	...	...	$r_{15,15}$	$r_{15,16}$	$r_{15,17}$
<i>slot 1</i>	$t=16$	*	$r_{16,1}$	$r_{16,2}$	$r_{16,3}$	...	...	$r_{16,15}$	$r_{16,16}$	$r_{16,17}$
<i>slot 2</i>	$t=17$	*	*	$r_{17,2}$	$r_{17,3}$	...	...	$r_{17,15}$	$r_{17,16}$	$r_{17,17}$
	$t=18$	$r_{1,-1}$	$r_{1,0}$	$r_{1,1}$	$r_{1,2}$	...	...	$r_{1,14}$	*	*
	$t=19$	$r_{2,-1}$	$r_{2,0}$	$r_{2,1}$	$r_{2,2}$	...	...	$r_{2,14}$	$r_{2,15}$	*
	$t=20$	$r_{3,-1}$	$r_{3,0}$	$r_{3,1}$	$r_{3,2}$	...	...	$r_{3,14}$	$r_{3,15}$	$r_{3,16}$
	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots
	$t=33$	$r_{16,-1}$	$r_{16,0}$	$r_{16,1}$	$r_{16,2}$	...	...	$r_{16,14}$	$r_{16,15}$	$r_{16,16}$
<i>slot 1</i>	$t=34$	*	$r_{17,0}$	$r_{17,1}$	$r_{17,2}$	...	...	$r_{17,14}$	$r_{17,15}$	$r_{17,16}$
<i>slot 2</i>	$t=35$	*	*	$r_{18,1}$	$r_{18,2}$	...	...	$r_{18,14}$	$r_{18,15}$	$r_{18,16}$
	$t=36$	$r_{2,-2}$	$r_{2,-1}$	$r_{2,0}$	$r_{2,1}$	...	...	$r_{2,13}$	*	*
	$t=37$	$r_{3,-2}$	$r_{3,-1}$	$r_{3,0}$	$r_{3,1}$	...	...	$r_{3,13}$	$r_{3,14}$	*
	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots	\vdots

Fig. 11(b)

Replacement Sheet

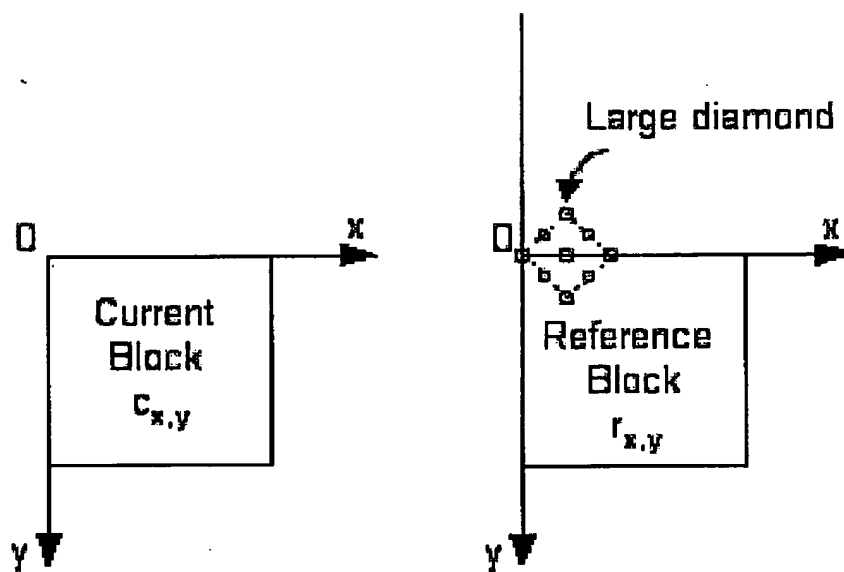


Fig. 12(a)

Fig. 12(b)

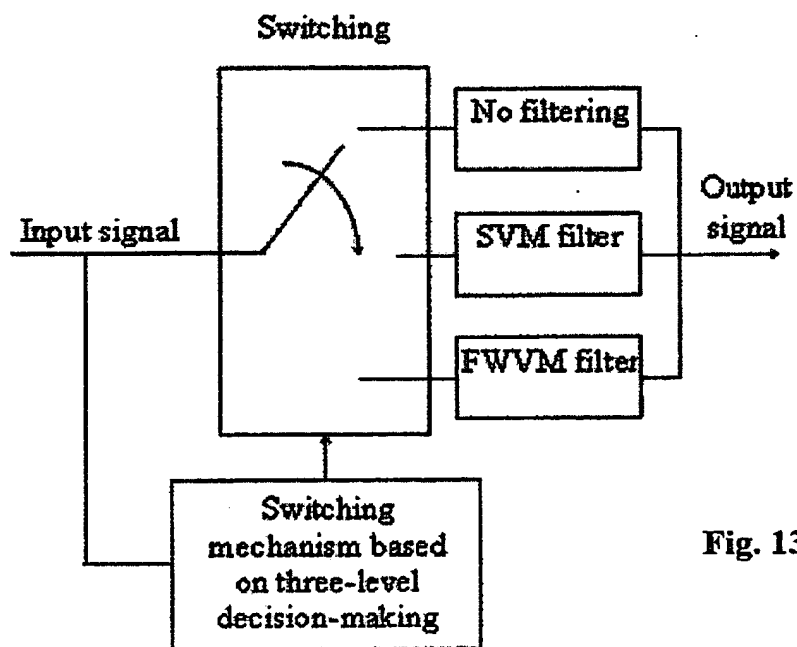


Fig. 13(a)

Replacement Sheet

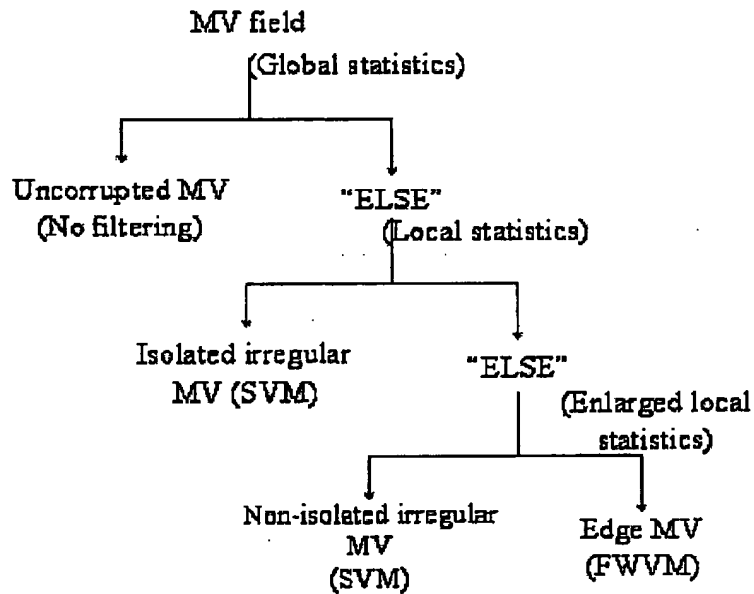


Fig. 13(b)

Replacement Sheet

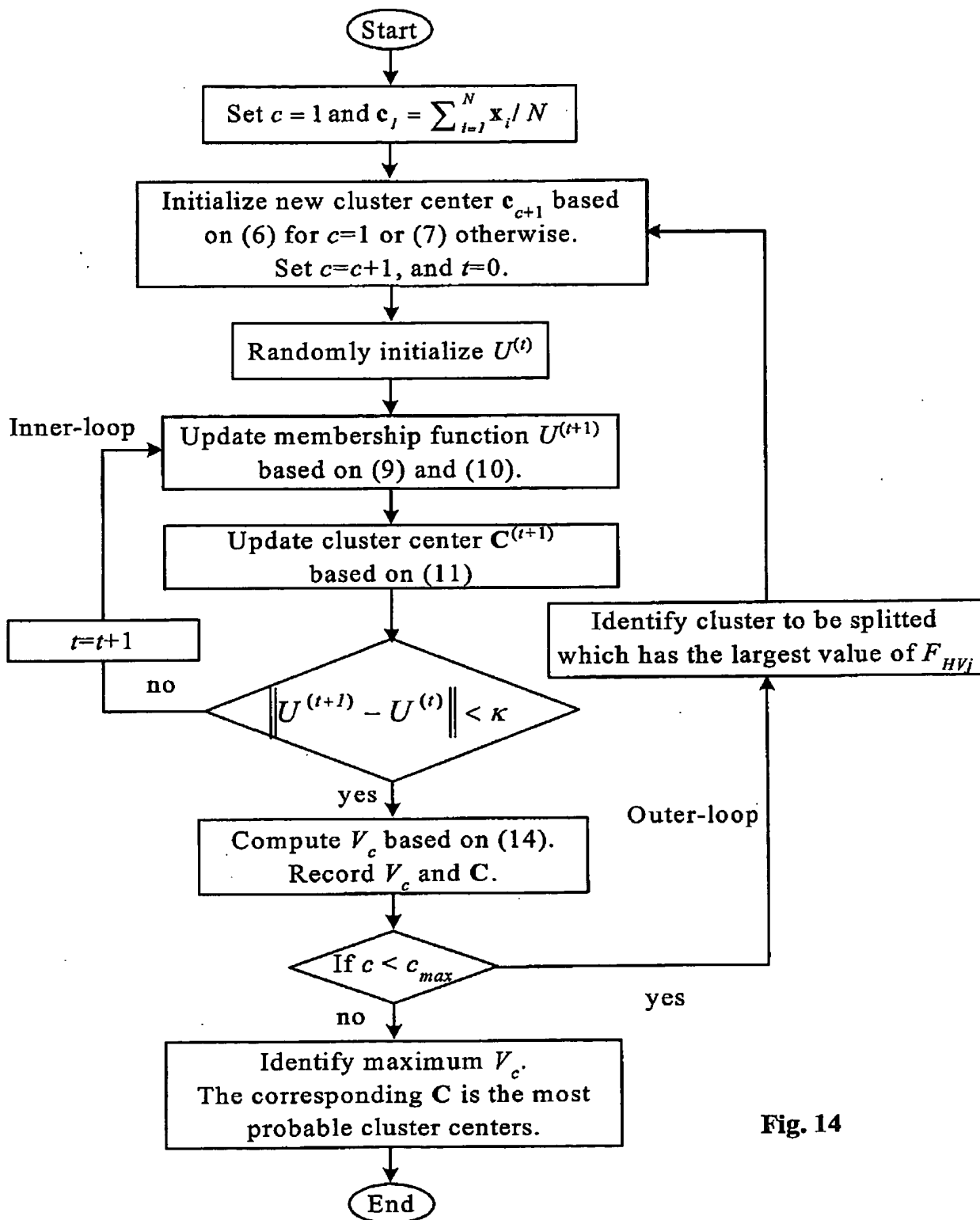


Fig. 14

Replacement Sheet

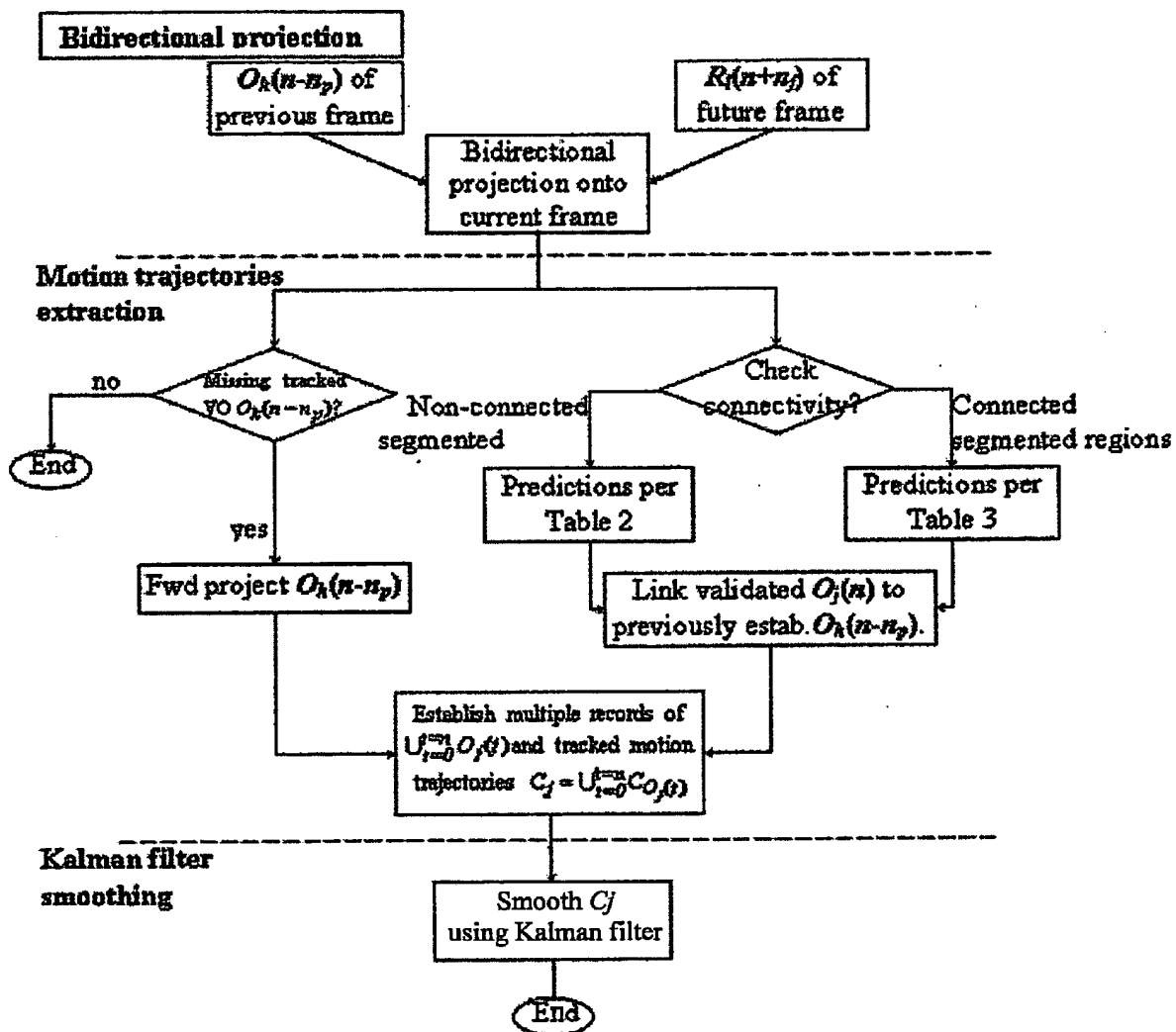


Fig. 15